

Sheet \_\_\_\_\_ of \_\_\_\_\_

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	Docket Number 2103248-990140	Application Number 09/916,701
	Applicant Boon-Siew Ooi	
	Filing Date July 26, 2001	Group Art Unit 2812

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
SM	0 4 7 5 3 3 0	3/92	EP				

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)**

SM	Poole, P.J. et al.: "Quantum Well Intermixing For the Realization Of Photonic Integrated Circuits", Proceedings of the SPIE, SPIE, Bellingham, VA, vol. 2613, dated 10-24-95, pages 9-16.
	Zucker, J.E. et al.: "Large Blueshifting Of INGAAS/INP Quantum-Well Band Gaps By Ion Implantation", Applied Physics Letters, American Institute of Physics, New York, vol. 60, no. 24, dated 6-15-92, pages 3036-3038.
	Tell, B. et al., "Phosphorus Ion Implantation Induced Intermixing of INGAAS-INP Quantum Well Structures", Applied physics Letters, American Institute of physics, New York, vol. 54, no. 16, dated 4-17-89, pages 1570-1572.
	Ooi, B.S. et al.: The Application Of The Selective Intermixing In Selected Area (SISA) Technique To The Fabrication Of Photonic Devices In GAAS/ALGAAS Structures", International Journal of Optoelectronics, London, GB., vol. 10, no. 4, dated 7-1-95, pages 257-263.
	Kupka, R.K. et al.: "Gallium-Implantation-Enhanced Intermixing of Close-Surface GAAS/ALAS/ALGAAS Double-Barrier Quantum Wells", Journal of Applied Physics, American Institute of Physics, New York, vol. 78, no. 4, dated 8-15-95, pages 2355-2361.
	Paquette, M. et al.: "Blueshifting Of INGAAP/INP Laser Diodes By Low-Energy Ion Implantation", Applied Physics Letters, American Institute of Physics, New York, vol 71, no. 26, dated 12-29-97, pages 3749-3751.
	Yu, S.J. et al.: "Disordering Of INGASS/INP Superlattice And Fabrication Of Quantum Wires By Focused GA Ion Beam", Journal of Vacuum Science and Technology: Part B, American Institute of Physics, New York, vol. 9, no. 5, dated 9-1-91, pages 2683-2686.
SM	Copy of the International Search Report from a foreign patent office in a counterpart foreign application.

EXAMINER S. M. [Signature]	DATE CONSIDERED 4/17/03
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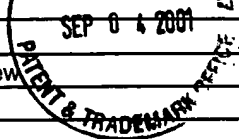
# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number 09/916,701  
Filing Date July 26, 2001  
First Named Inventor Ooi, Boon-Siew  
Group Art Unit  
Examiner Name  
Attorney Docket Number 021040-000800US



## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
S	AA	4,511,408		Holonyak, Jr.	04-16-85	
	AB	4,771,010		Epler, et al.	09-13-88	
	AC	4,802,182		Thornton, et al.	01-31-89	
	AD	4,824,798		Burnham, et al.	04-25-89	
	AE	4,830,983		Thornton	05-16-89	
	AF	4,871,690		Holonyak, Jr., et al.	10-03-89	
	AG	5,031,185		Murakami, et al.	07-09-91	
	AH	5,145,792		Hirata	09-08-92	
	AI	5,238,868		Elman, et al.	08-24-93	
	AJ	5,276,745		Revelli, Jr.	01-04-94	
	AK	5,395,793		Charbonneau, et al.	03-07-95	
	AL	5,539,763		Takemi, et al.	07-23-96	
	AM	5,556,804		Nagai	09-17-96	
	AN	5,707,890		Emery, et al.	01-13-98	
	AO	6,027,989		Poole, et al.	02-22-00	

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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